BRUHATH BANGALORE MAHANAGARA PALIKE, DASARAHALLI ZONE

Office of the Executive Engineer Dasarahalli Division,

No.BBMP/EE/DD/Ten/06/2016-17, Date:03.11.2016

ITEM NO: 08

SCHEDULE-B

NAME OF WORK: Improvements to roads & drains at Bhuvaneshwari nagara Ward No 14 Rayalaguntte

Sl. No	Description of work	Unit	Qty	Rates Quoted by Contractor R.Mangalraju	
				In Figures (Rs.)	In Words (Rs.)
1	2	3	4	5	6
1	Excavation for road, drains and similar works - KSHRR 300.1. Earthwork excavation by manual means in Ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. complete as per the direction of Engineer-in-charge of the work.	Cum	24.3	70.78	Rupees Seventy and Seventy Right Paise Only
2	Removing R.S.Slab of drain and stacking etc., complete complete as per the direction of Engineer-in-charge of the work.	Sqm	64.8	54.23	Rupees Fifty Four and Twenty Three Paise Only
3	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @180 kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. complete as per the direction of Engineer-in-charge of the work.	Cum	8.1	4315.59	Rupees Four Thousand Three Hundred Fifteen and Fifty Nine Paise Only
4	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC Cement @220 kgs with 20 mm and down size graded granite metal course aggregates @ 0.84 cum and fine aggregates @0.56 cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well comated, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per , complete as per the direction of Engineer-in-charge of the work.	Sqm	4.8	4674.07	Rupees Four Thousand Six Hundred Seventy Four and Seven Paise Only
5	Refixing stone slabs of drains and pointing in CM 1:3 etc complete complete as per the direction of Engineer-in-charge of the work.	Sqm	97.2	67.1	Rupees Sixty Seven and Ten Paise Only
6	Providing Granite slabs selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete 7.5 thick complete as per the direction of Engineer-in-charge of the work.	Sqm	64.8	564.38	Rupees Five Hundred Sixty Four and Thirty Eight Paise Only

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7	Supplying and fixing precast rainforced concee slab 10cm thick including cost of reinforcement as per design and drawing, material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface stc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials. complete as per the direction of Engineer-in-charge of the work.	Sqm	108	1361.76	Rupees Thousand Hundred One and Six Paise O
8	Scarifying existing stone metal layer upto 75mm thick along with their bituminous surface, picking up scarified materials and stacking of old serviceable materials with lead of 100mtr. sequential spreading of the salvaged aggregates with fresh aggregates on prepared base and consolidating as per water bound macadam specifications including cost of all labour, HOM of machineries complete as per specifications complete as per the direction of Engineer-in-charge of the work.	Sqm	2160	75.37	Rupees Seventy Five and Thirty Seven Paise Only
9	For Grading I material construction of granular sub-base by providing coarse graded crushed stone aggregates of Granite/ trap/basalt material spreading in uniform layers with motir grader on prepared surface mixing by a mix in place method with rotawater at OMC, and Compacting with vibratory roller to achieve the desired density, complete as per specifications by mix in a Place method for course Graded Granular Sub Base Material as per 400-2 for grading I material . complete as per the direction of Engineer-in-charge of the work.	Cum	216	1243.66	Rupees One Thousand Two Hundred Forty Three and Sixty Six Paise Only
10	Providing, laying, spreading and compacting graded stone aggregates to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. Specification No. 406 with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work. complete as per the direction of Engineer-in-charge of the work.	Cum.	432	1458.75	Rupees One Thousand Four Hundred Fifty Eight and Seventy Five Paise Only
11	Providing and applying primer coat with S.S. Bitumen emulsion on prepared surface of granular base such as WBM, WMM including clearing of road surface and spraying primer at the rate of 0.6 kg / sqm using mechanical means complete as per specifications, with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work. complete as per the direction of Engineer-in-charge of the work.	Sqm	2160	27.58	Rupees Twenty Seven and Fifty Eight Paise Only
	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of materials, labour, HOM of machineries complete as per specifications, complete as per the direction of Engineer-in-charge the work.	Sqm	5760	2.76	Rupees Two and Seventy Six Paise Only

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	Providing and applying tack coat on the prepared black topped surfaces at 5kg per 10 sqm, heating bitumen in boiler fitted with spray set (Excluding cleaning of road surface) including cost of materials, labour, HOM of machineries complete as per specifications. complete as per the direction of Engineer-in-charge of the work.	Sqm	5760	12.87	Rupees Twelve and Eighty Seven Paise Only
	Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant 40 tonne capacity, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, 50/75mm compacted thickness with 3.3% bitumen but excluding the cost of primer/tack coat with lead incl. cost of all materials, labour, HOM of machineries complete as per specifications with 80/100 grade bitumen using 40/60TPH capacity H.M.P with Mechanical paver Gr II (50/75mm) with 3.3% VG-30 Bitumen as per the directions of Engineer-in-charge of the work complete as per the direction of Engineer-in-charge of the work.	Cum	108	5271.54	Rupees Five Thousand Two Hundred Seventy One and Fifty Four Paise Only
15	Providing and laying bituminous concrete with hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder and filter transporting the hot mix to work site laying with paver finisher to the required grade, level and alignment. rolling with smooth wheeled vibratory and tandem rollers to achieve the desired compaction as per MORTH Speicification clause no 500.9 complete in all respects complete as per specification no 509. using 40/60 TPH Capacity H.M.P With Mechanical paver Gr-II (30 mm to 45 mm) with 6% VG-30 Bitumen complete as per the direction of Engineer-in-charge of the work.	Cum	259.2	8360.01	Rupees Eig Thousand Th Hundred Sixty One Paise C
16	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading complete as per the direction of Engineer-in-charge of the work.	Cum	162	71.92	Rupees Se One and N Two Paise

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